

In re Application of:

Christopher T. Grabowski

**Attorney Docket No: MVS-1** 

Serial No.: 10/593,138

:Art Unit:

Filed: 09/18/2006

:Examiner:

Title: EN-ROUTE NAVIGATION DISPLAY METHOD AND APPARATUS

USING HEAD-UP DISPLAY

## INFORMATION DISCLOSURE STATEMENT

In accordance with 37 CFR 1.97, the enclosed Information Disclosure Statement, with attached reference(s), is submitted for consideration in the above-identified application.

## **Copies**

Copies of all the non-US-patent references are enclosed.

## **Translations**

Included herewith are translations of the cited JP patents Applicants do not have a translation of the cited DE patent.

## Relevance

Pursuant to 37 C.F.R. 1.98(a)(3)(i), the following is a statement of the relevance of each of the non-English-language references cited herein:

JP05022753: Okimura et al patent JP05022753 describes a stereoscopic picture display unit which is provided with a shape changing screen (or "configuration adjustable screen") whose shape varies in conformity with given three-dimensional shape data. One embodiment of applicants' system has a projection screen (shown on Fig 42A and Fig 42B) which has linear actuators arranged for shifting, tilting and reshaping the screen surface in real-time, to correspond to the topography of the terrain over which the virtual cable is being displayed.

JP08175226: Ashihara patent JP08175226 describes a display device for vehicle where the display data is composed of only the outlines, and its semitransparent screen can be seen in the condition superposing the display data and the scene in front of the vehicle. This teaches the advantages of reducing the complexity and a scene obscuration potential of the presented image.

JP09229707: Shinozuka patent JP09229707 describes displaying a display image of a guide route above a road actually seen, with the use of a windshield, where the image is in a form of a flat map which correlates with a mirror-image of the ground ahead. In applicants' illustrative embodiments the image is a 3-dimentional line (not a map) and it is conforming to the ground, e.g. it goes up and down when the ground is not flat.

**DE10344684**: Breinich et al. patent DE10344684 describes head-up display, in particular for the application in motor vehicles, which employs laser scanning using moveable mirror, a diffuser, an optical cube combiner for combining two laser beams, and technique of image distortion pre-correction. Various embodiments of applicants' disclosed display device include some combinations of the devices mentioned.

Respectfully,

Christopher T. Grabowski

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Date: 11/27/06

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U.S. PATENT DOCUMENTS								
Exami ner Initials	Cite No.1	U.S. Patent Docum	nent Kind Code² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevan Figure Appears		
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Examiner Initials*	Cite No.1	Office <sup>3</sup>	Foreign Patent Document Number	Kind Code <sup>2</sup>		ntee or Applicant Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figure Appears	T⁵	
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Examiner Signature					Date Considered					

\*EXAMINER: Initial if referenced considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

'Unique citation designation number. 'See attached Kinds of U.S. Patent Documents 'Enter Office that issued the document, by the two letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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		OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS	<u> </u>
Examin er Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article(when appropriate), title of the item(book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
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